

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Group Art Unit 1651

In re

Patent Application of

Juan DePablo, et al.

Application No. 10/657,017

Confirmation No.: 9034

Filed: September 5, 2003

Examiner: _____

"PRESERVATION AND STORAGE MEDIUM
FOR BIOLOGICAL MATERIALS"

I, Leslie Lindsay Smith, hereby certify that this correspondence is being deposited with the US Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date of my signature.

Leslie Lindsay Smith
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INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §1.97(b)

Commissioner for Patents
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Sir:

The Examiner's attention is directed to the references which are listed on the attached Form PTO/SB/08A and/or PTO/SB/08B. A copy of each reference identified by an "*" is enclosed. No other copies are not being provided herewith because, pursuant to 37 C.F.R. §1.98(d), copies were previously submitted to, or cited by, the office in U.S. Serial No. 09/625,735, filed July 26, 2000, which issued as U.S. Patent No. 6,653,062 on November 25, 2003, which is being relied upon for an earlier filing date under 35 U.S.C. §120.

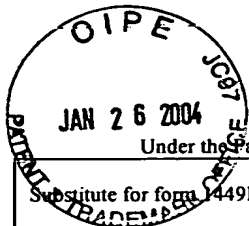
Citation of these references is respectfully requested.

No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Respectfully submitted,

Charlene L. Yager
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STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/657017
Filing Date	September 5, 2003
First Named Inventor	Juan DePablo
Group Art Unit	3737
Examiner Name	
Attorney Docket Number	096429-9144

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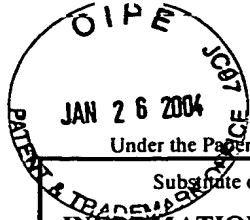
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		Ahmad N, Kashi H, Helmy H, Hadingham J, Potts DJ, Lodge JP. Renal preservation with phosphate buffered sucrose: comparison with hyperosmolar citrate in a prospective trial. <i>Transplant Proc.</i> 1997 Feb.-Mar.;29(1-2):355-6.
		Arakawa et al., Stabilization of Protein Structure By Sugars, <i>Biochemistry</i> 21, 6536-6544, 1982.
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		Carpenter et al., Interactions of Stabilizers with Proteins During Freezing and Drying, <i>American Cancer Society</i> 9, 135-147, 1994.
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Application Number	10/657017
Filing Date	September 5, 2003
First Name Inventor	Juan DePablo
Group Art Unit	3737
Examiner Name	
Attorney Docket Number	096429-9144

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U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract
	EP	0 356 257	Cryopharm Corporation	Feb., 1990		
	EP	0 508 496	Cryopharm Corporation	Oct., 1992		
	EP	0 580 444	Roussel Morishita Co., Ltd., et al.	Jan., 1994		
	EP	0 682 944	Bayol et al.	Nov., 1995		
	PCT	WO 95/20399	Ciba-Geigy Ag, et al.	Aug., 1995		
	PCT	WO96/05809	Colaco et al.	Feb., 1996		
	PCT	WO96/40077	Roser et al.	Dec., 1996		
	PCT	WO98/41188	Roser et al.	Sep., 1998		
	PCT	WO99/47174	Roser et al.	Sep., 1999		

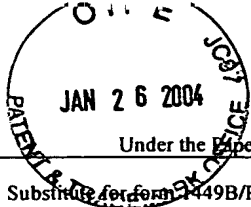
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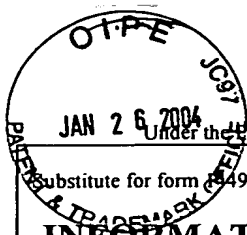
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		English Translation of Fukumoto et al.
		English Translation of Migulina.
		Eroglu et al., Intracellular Trehalose Improves the Survival of Cryopreserved Mammalian Cells, <i>Nature Biotechnology</i> 18, 163-167, 2000.
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		Freshney, <i>Culture of Animal Cells</i> , 3 rd Ed., 85, Wiley-Liss, 1994.
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		Fukumoto et al., Effect of Various Additives on Long-Term Preservation of Cucumber Mosaic in vitro, <i>Ann. Phytopath Soc. Japan</i> 46, 448-54, 1980.
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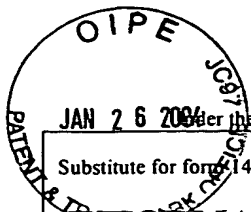
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		Hirata et al., Effects of Trehalose in Canine Lung Preservation, <i>Surgery</i> 115, 1:102-107, 1994.
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		Leslie et al., Trehalose and Sucrose Protect Both Membranes and Proteins in Intact Bacteria During Drying, <i>Applied Environmental Microbiology</i> 61, 3562-3597, 1995.

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First Named Inventor	Juan DePablo
Group Art Unit	3737
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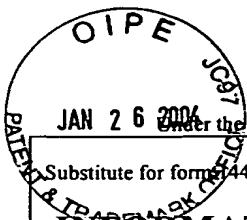
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		McCoy II, Cryobio Research May Lead to Increased Human Blood Supply, Mary Ann Liebert, Inc., New York, 1994.
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Application Number	10/657017
Filing Date	September 5, 2003
First Named Inventor	Juan DePablo
Group Art Unit	3737
Examiner Name	
Attorney Docket Number	096429-9144

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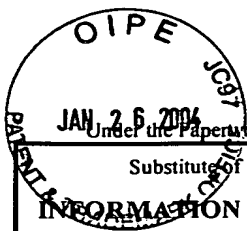
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		Sanders, Mary E., "Development of Consumer Probiotics for the US Market" <i>British Journal of Nutrition</i> 80, Suppl. 2, S213-S218, 1998.
		Sigma Product Information: Product No. P0261.
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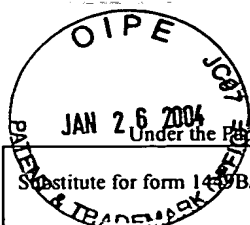
Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	4411894	Schrank et al.	Oct., 1983
	4476221	Kane et al.	Oct., 1984
	4798824	Belzer et al.	Jan., 1989
	4806343	Carpenter et al.	Feb., 1989
	4806524	Kawaguchi et al.	Feb., 1989
	4857319	Crowe et al.	Aug., 1989
	4873230	Belzer et al.	Oct., 1989
	4891319	Roser	Jan., 1990
	5026566	Roser	Jun., 1991
	5149653	Roser	Sep., 1992
	5171661	Goodrich, Jr. et al.	Dec., 1992
	5252496	Kang et al.	Oct., 1993
	5314595	Fuller	May, 1994
	5512547	Johnson et al.	Apr., 1996
	5556771	Shen et al.	Sep., 1996
	5589167	Cleland et al.	Dec., 1996
	5621094	Roser et al.	Apr., 1997
	6468782	Tunnacliffe et al.	Oct., 2002
	2001/00119819	Wolkers et al.	Sep., 2001
	2002/0009500	Wolkers et al.	Jan., 2003
	2002/0076445 *	Crowe, et al.	Jun., 2002
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	2002/0114791 *	Crowe, et al.	Aug., 2002

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		Crowe et al., Is Trehalose Special for Preserving Dry Biomaterials?, <i>Biophysical Journal</i> , Chpt. 71, 2087-2093, 1996.
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		Crystall, Glass Pharmacy: Preserved in Minute Beads of Sugar, Drugs Could Last for Years and Be Easier to Take, Too., <i>New Scientist</i> , 24-27, 1997.
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		Dulbecco, et al., "Plaque Formation and Isolation of Pure Lines with Poliomyelitis Viruses" <i>Journal of Experimental Medicine</i> , 99:167-182, 1954.

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